

REMARKS

In an office action 24 October 2002, the Examiner rejects claims 19-34 (all pending claims). In response to the office action, Applicants amend claims 19 and 27. Applicants also respectfully traverse the rejections. Claims 19 -34 (All pending claims) remain in the application. In light of the amendments and the below arguments Applicants respectfully request that this case be allowed.

In response to the office action, Applicants have amended claims 19 and 27 to better define subsystems in the claims. In claims 19 and 27, each subsystem is now defined instructions executed by a processing unit in the router system to provide an application of an internetwork operating system. This defines the subsystems as software applications executed in the router to provide the operating system of the router. This distinguishes the subsystems from other software applications being executed by other processing systems in the network which interact with the configuration database of the router system.

In the office action, the Examiner rejects claim 19 under 35 USC § 103 (a) as being obvious under U.S. Patent Number 6,308, 205 B1 issued to Carcerano et al. (Carcerano). Applicants contend that amended claim 19 is not *prima facie* obvious under Carcerano. Applicants contend that the Examiner has not cited evidence that each and every limitation of the claim is taught by Carcerano as required by MPEP §2142 which requires that each and every claimed element teach or suggest each and every claimed element. See also *In re Vaeck*, 20 USPQ2d 1438 (Fed. Cir. 1991).

In amended claim 19, applicants recite receiving a request from a subsystem that is an application that provides the internetwork operating system and storing an identification of the requesting subsystem for notification when a configuration data is changed. Carcerno does not teach receiving the request from a plurality of subsystems that provide an internetwork operating system and does not teach storing an identification of a subsystem to be notified of a change of configuration data.

As stated above amended claim 19 recites receiving a notification request from one of a plurality of subsystems. The limitation further recites that each subsystem is an application that is executed to an internetwork operating system. Carcerno does not teach receiving a request from a subsystem. Instead, Carcerno teaches receiving a request from a browser. See Col. 10, lines 12-64. The browser is software being executed on a workstation connected to a server. See Fig.5. See col. 10, lines 27-28. The work station and the server are separate processing systems. Thus, the software application from which the request is received is not a subsystem being executed by the processing unit of the router system because the subsystems are defined as being executed by the processing unit of the router system to provide an internetwork operating system. Therefore, Carcerno does not teach the claimed element of receiving a request from one of a plurality of subsystems claimed in amended claim 19. Thus, Applicants respectfully request amended claim 19 be allowed.

Furthermore, Amended claim 19 recites storing an identification of the requesting subsystem in a record for requested configuration information. There is no teaching in Carcerno of storing an identification of a requesting subsystem.

Instead, Carcerno teaches providing the configuration data requested in a request sent from the browser. The request data is transmitted in a data for a display to shown by the browser. An identification of the browser requesting the data is not stored in a data record of the requested information. Instead, the requested data is merely transmitted with no consideration of transmitting a signal when the configuration data is changed. The storing of identification of the subsystem that transmitted the request allows that subsystem to be informed of any change to the data. This allows the subsystems to more efficiently manage transmission of data be transmitted between processing system through the router. In Carcerno there is no need for notifying the browsers of a configuration change as the information is only displayed to the user and not used to manage data transfers. Therefore, Carcerno does not teach or suggest the storing of the identification of a subsystem for use in notifying the subsystem of a change in the configuration data. For this reason, amended claim 19 is not taught or suggested by Carcerno and Applicants request that the rejection of amended claim 19 be removed.

Claims 20-26 are dependent for at least the same reasons as amended claim 19. Thus Applicants respectfully request that the rejection claims 20-26 be removed.


Amended claim 27 recites the method for performing the process described by the instructions in amended claim 19. Therefore, amended claim 27 is allowable for the same reasons amended claim 19. Applicants therefore request that the rejection of amended claim 27 be removed.

Claims 28-34 are dependent upon claim 27. Thus claims 28-34 are allowable for at least the same reasons as amended claim 27. Therefore, applicants respectfully request that claim 27 be allowed.

Respectfully submitted,
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The following paragraphs provide the “As Amended” changes in a Marked-up format.

IN THE CLAIMS

Marked-up

19. (Amended) A product for providing a configuration database subsystem that maintains configuration data for objects in a network for a router device comprising:

instructions for directing a processing unit in said router device to:

maintain a configuration database,

receive a notification request from one of a plurality of subsystems in said router device, wherein said notification request is a request to receive notification of changes to configuration data of an object in said network and wherein each of said plurality of subsystems is instructions executed by said processing unit to provide an application of an internetwork operating system, and

store an identification of said one of said plurality of subsystems in a record for said configuration data for said object identifying said one of said plurality of subsystems as requiring notification of changes to said configuration data of said object; and

a media readable by said processing unit that stores said instructions.

27. (Amended) A method for providing a configuration database subsystem that maintains configuration data for objects in a network for a router device comprising:

maintaining a configuration database;

receiving a notification request from one of a plurality of subsystems in said router device, wherein said notification request is a request to receive notification of changes to configuration data of an object in said network and wherein each of said plurality of subsystems is instructions executed by said processing unit to provide an application of an internetwork operating system; and

storing an identification of said one of said plurality of subsystems in a record for said configuration data for said object identifying said one of said plurality of subsystems as requiring notification of changes to said configuration data of said object.